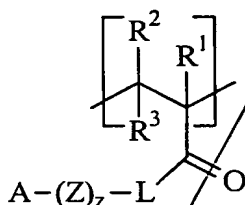


What is claimed is:

1. A method for manually cleaning an object comprising contacting a user's hands with a washing solution comprising water and a detergent composition in which suds produced by the solution is maintained for an extended period of time by a polymeric suds stabilizer, said suds stabilizer is selected from the group consisting of:

- (a) polymers comprising at least one monomeric unit of the formula:



wherein each of R^1 , R^2 and R^3 are independently selected from the group consisting of hydrogen, C_1 to C_6 alkyl, and mixtures thereof; L is selected from the group consisting of a bond, O, NR^6 , SR^7R^8 and mixtures thereof, wherein R^6 is selected from the group consisting of hydrogen, C_1 to C_8 alkyl and mixtures thereof; each of R^7 and R^8 are independently hydrogen, O, C_1 to C_8 alkyl and mixtures thereof, or SR^7R^8 form a heterocyclic ring containing from 4 to 7 carbon atoms, optionally containing additional hetero atoms and optionally substituted; Z is selected from the group consisting of: $-(\text{CH}_2)-$, $(\text{CH}_2-\text{CH}=\text{CH})-$, $-(\text{CH}_2-\text{CHOH})-$, $(\text{CH}_2-\text{CHNR}^6)-$, $-(\text{CH}_2-\text{CHR}^{14}-\text{O})-$ and mixtures thereof; wherein R^{14} is selected from the group consisting of hydrogen, C_1 to C_6 alkyl and mixtures thereof; z is an integer selected from 0 to 12; A is NR^4R^5 , wherein each of R^4 and R^5 are independently selected from the group consisting of hydrogen, C_1 to C_8 alkyl, and mixtures thereof, or NR^4R^5 form an heterocyclic ring containing from 4 to 7 carbon atoms, optionally containing additional hetero atoms, optionally fused to a benzene ring, and optionally substituted by C_1 to C_8 hydrocarbyl; and wherein said polymeric suds stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons;

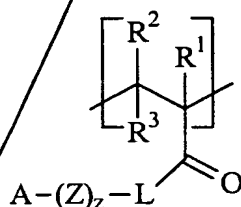
(b) a proteinaceous suds stabilizer, said proteinaceous suds stabilizer having an isoelectric point of from 7.5 to 11.5; and

(c) a zwitterionic polymeric suds stabilizer;

wherein said method further including the step of washing the object with said solution; and wherein said suds stabilizer is a mild, suds enhancing, suds stabilizer such that a user's hands, after submersion in a solution containing said suds stabilizer, are not irritated.

2. A method of enhancing mildness of a detergent composition comprising a surfactant system comprising an anionic surfactant or a mixture of anionic surfactants which method comprises adding a polymeric suds stabilizer to said composition, wherein said polymeric suds stabilizer is selected from the group consisting of:

(a) polymers comprising at least one monomeric unit of the formula:



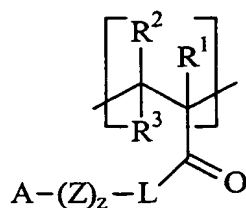
wherein each of R^1 , R^2 , R^3 , L, Z, z and A are as hereinbefore defined; and wherein said polymeric suds stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons;

(b) a proteinaceous suds stabilizer, said proteinaceous suds stabilizer having an isoelectric point of from 9 to 11.5; and

(c) a zwitterionic polymeric suds stabilizer;

3. A method of cleaning the skin while avoiding the harsh effects on the skin of an anionic surfactant by washing the skin with the composition comprising a polymeric suds stabilizer selected from the group consisting of:

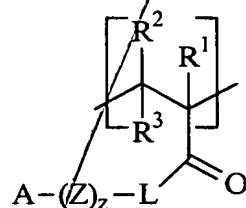
(a) polymers comprising at least one monomeric unit of the formula:



wherein each of R^1 , R^2 , R^3 , L , Z , z and A are as hereinbefore defined; and wherein said polymeric suds stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons;

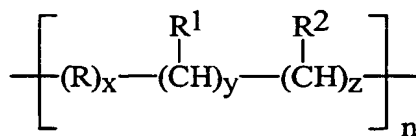
- (b) a proteinaceous suds stabilizer, said proteinaceous suds stabilizer having an isoelectric point of from 7.5 to 11.5; and
- (c) a zwitterionic polymeric suds stabilizer;

4. The method according to any one of Claims 1 to 3 wherein said polymeric suds stabilizer has a molecular weight of from 5,000 to 1,000,000.
5. The method according to any one of Claims 1 to 4 wherein said polymeric suds stabilizer comprises polymers comprising at least one monomeric unit of the formula:



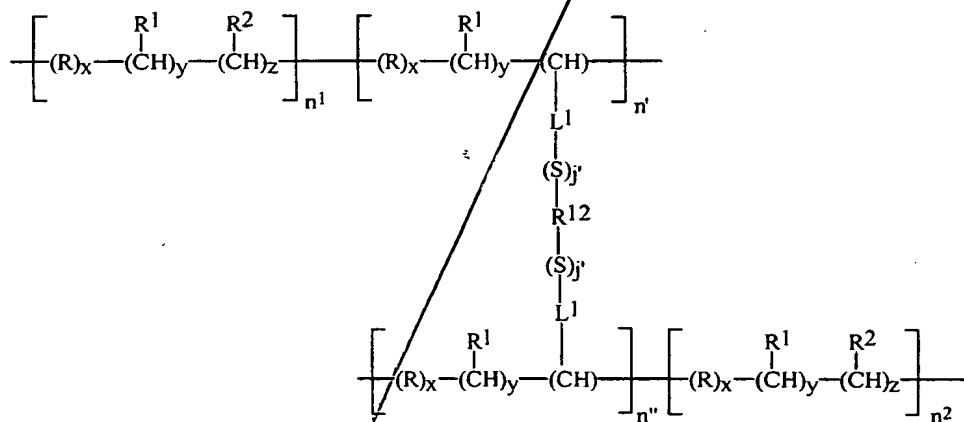
wherein each of R^1 , R^2 , R^3 , L , Z , z and A are as hereinbefore defined;

6. The method according to any one of Claims 1 to 4 wherein said zwitterionic polymeric suds stabilizer has the formula:

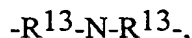


wherein R is C₁-C₁₂ linear alkylene, C₁-C₁₂ branched alkylene, and mixtures thereof; R¹ is a unit capable of having a negative charge at a pH of from 4 to 12; R² is a unit capable of having a positive charge at a pH of from 4 to 12; n has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight of from 1,000 to 2,000,000 daltons; x is from 0 to 6; y is 0 or 1; and z is 0 or 1.

7. The method according to any one of Claims 1 to 4 wherein said zwitterionic polymeric suds stabilizer has the formula:



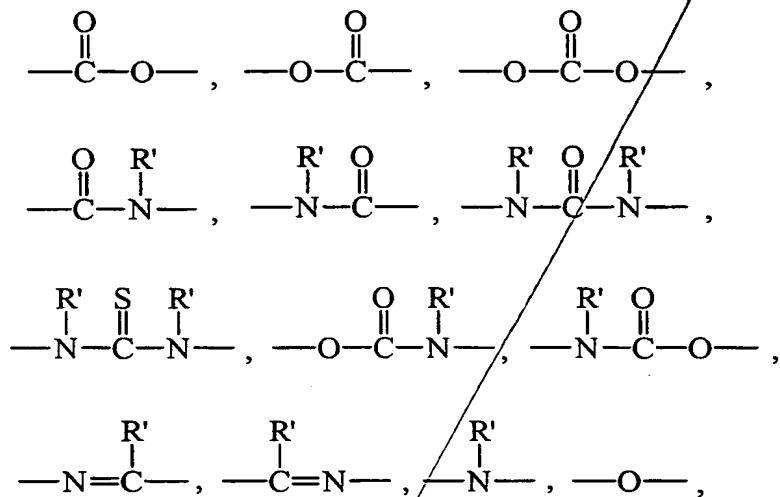
wherein R is C₁-C₁₂ linear alkylene, C₁-C₁₂ branched alkylene, and mixtures thereof; R¹ is a unit capable of having a negative charge at a pH of from 4 to 12; R² is a unit capable of having a positive charge at a pH of from 4 to 12; C₁-C₁₂ linear alkylene amino alkylene having the formula:



L¹, and mixtures thereof, wherein each R¹³ is independently L¹, ethylene, and mixtures thereof; each S is independently selected from C₁-C₁₂ linear alkylene,

C₁-C₁₂ branched alkylene, C₃-C₁₂ linear alkenylene, C₃-C₁₂ branched alkenylene, C₃-C₁₂ hydroxyalkylene, C₄-C₁₂ dihydroxyalkylene, C₆-C₁₀ arylene, C₈-C₁₂ dialkylarylene, -(R⁵O)_kR⁵-, -(R⁵O)_kR⁶(OR⁵)_k-, -

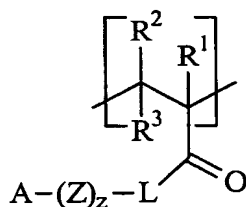
$\text{CH}_2\text{CH}(\text{OR}^7)\text{CH}_2-$, and mixtures thereof; L^1 is a linking unit independently selected from the following:



and mixtures thereof; $n^1 + n^2$ has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight of from 1,000 to 2,000,000 daltons; n' is equal to n'' and further $n' + n''$ is less than or equal to 5% or the value $n^1 + n^2$; x is 0 to 6; y is 0 or 1; and z is 0 or 1.

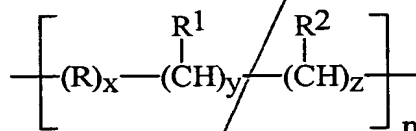
8. A method for manually cleaning an object comprising contacting a user's hands with a washing solution comprising water and a detergent composition in which suds produced by the solution is maintained for an extended period of time by a suds stabilizer, said suds stabilizer comprising
 - i) units capable of having a cationic charge at a pH of from 4 to 12; provided that said suds stabilizer has an average cationic charge density of at least 1 unit per 100 daltons molecular weight at a pH of from 4 to 12; and wherein said method further including the step of washing the object with said solution; and wherein said suds stabilizer is a, mild, suds enhancing, suds stabilizer such that a user's hands, after submersion in a solution containing said suds stabilizer, are not irritated.

9. A method of enhancing mildness of a detergent composition comprising a surfactant system comprising an anionic surfactant or a mixture of anionic surfactants which method comprises adding a polymeric suds stabilizer to said composition, wherein said polymeric suds stabilizer comprising:
- i) units capable of having a cationic charge at a pH of from 4 to 12;
- provided that said suds stabilizer has an average cationic charge density of at least 1 unit per 100 daltons molecular weight at a pH of from 4 to 12;
10. A method of cleaning the skin while avoiding the harsh effects on the skin of an anionic surfactant by washing the skin with the composition comprising an effective amount of a polymeric suds stabilizer, said polymeric suds stabilizer comprising:
- i) units capable of having a cationic charge at a pH of from 4 to 12;
- provided that said suds stabilizer has an average cationic charge density of at least 1 unit per 100 daltons molecular weight at a pH of from 4 to 12;
11. The method according to any one of Claims 8 to 10 wherein said polymeric suds stabilizer further comprises:
- i) units capable of having an anionic charge at a pH of from 4 to 12;
 - ii) units capable of having an anionic charge and a cationic charge at a pH of from 4 to 12;
 - iii) units having no charge at a pH of from 4 to 12; and
 - iv) mixtures of units (i), (ii), (iii), and (iv);
12. The method according to any one of Claims 8 to 11 wherein said polymeric suds stabilizer has an average molecular weight of from 1,000 to 2,000,000 daltons.
13. The method according to any one of Claims 8 to 12, wherein said polymeric suds stabilizer is a polymer comprising at least one monomeric unit of the formula:



wherein each of R^1 , R^2 , R^3 , L , Z , z and A are as hereinbefore defined; and wherein said polymeric suds stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons;

14. The method according to any one of Claims 8 to 12, wherein said polymeric suds stabilizer is a zwitterionic polymeric suds stabilizer of the formula:



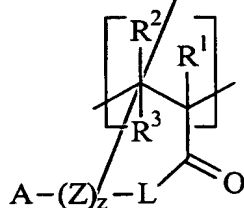
wherein R is C_1 - C_{12} linear alkylene, C_1 - C_{12} branched alkylene, and mixtures thereof; R^1 is a unit capable of having a negative charge at a pH of from 4 to 12; R^2 is a unit capable of having a positive charge at a pH of from 4 to 12; n has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight of from 1,000 to 2,000,000 daltons; x is from 0 to 6; y is 0 or 1; and z is 0 or 1.

15. The method according to any one of Claims 1 to 14 wherein said polymeric suds stabilizer is selected from the group consisting of a homopolymer, a copolymer and a terpolymer.
16. The method according to any one of Claims 1 to 15 wherein said composition further comprises a deterative surfactant selected from the group consisting of anionic, nonionic, amphoteric, zwitterionic, cationic, and mixtures thereof.

17. The method according to Claim 16 wherein said anionic surfactant, is an anionic surfactant having skin irritating characteristics and is selected from the group consisting of C₈-C₁₈ alkyl benzene sulfonates, C₈-C₁₈ alkyl sulfates containing from 0 to 3 ethenoxy groups in the molecule, C₈-C₂₅ olefin sulfonates, C₁₀-C₂₀ paraffin sulfonates, C₈-C₉ alkyl phenol ethoxamer sulfates, and mixtures thereof.
18. The method according to any of Claims 1 to 17 wherein said composition comprises a diamine, wherein said diamine organic diamine having a molecular weight less than or equal to 400 g/mol.
19. The method according to Claim 18 wherein said diamine is selected from the group consisting of dimethyl aminopropyl amine, 1,6-hexane diamine, 1,3 propane diamine, 2-methyl 1,5 pentane diamine, 1,3-Pentanediamine, 1,3-diaminobutane, 1,2-bis(2-aminoethoxy)ethane, Isophorone diamine, 1,3-bis(methylamine)-cyclohexane and mixtures thereof.
20. The method according to any one of Claims 18 and 19 wherein said composition further comprises an anionic surfactant, an amine oxide, and an enzyme, wherein said enzyme is selected from the group consisting of amylase, protease and mixtures thereof.
21. The method according to Claim 20 wherein said composition further comprises an effective amount of magnesium ions.
22. The method according to any of Claims 1 to 21 wherein said composition is selected from the group consisting of granules, tablets, liquids, liqui-gels, gels, microemulsion, thixotropic liquid, bars, pastes, powders and mixtures thereof.
23. The method according to any of Claims 1 to 22 wherein said composition is selected from the group consisting of, hand dishwashing compositions, hand

laundry compositions, personal cleansing compositions, shampoos, and mixtures thereof.

24. The method according to any of Claims 1 to 23 wherein said method substantially reduces skin irritation of the hands by said detergent composition.
25. The method according to any of Claims 1 to 24 wherein said object to be cleaned is selected from the group consisting of tableware, fabrics.
26. A method for soaking hands in the context of a manual dishwashing operation, with reduced skin irritation resulting therefrom, which method comprises:
 - 1) preparing an aqueous dishwashing solution from an effective amount for manual dishwashing of a liquid or gel dishwashing detergent composition comprising an effective amount of a suds boosting polymer in an amount sufficient to provide reduced skin irritation during manual dishwashing operations selected from the group consisting of:
 - (a) polymers comprising at least one monomeric unit of the formula:



wherein each of R^1 , R^2 , R^3 , L , Z , z and A are as hereinbefore defined; and wherein said polymeric suds stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons;

- (b) a proteinaceous suds stabilizer, said proteinaceous suds stabilizer having an isoelectric point of from 9 to 11.5; and
- (c) a zwitterionic polymeric suds stabilizer;
- 2) immersing the hands of the dishwasher in said dishwashing solution for a period of time which is effective to complete hand washing operations.

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27. A method for soaking hands in the context of a manual dishwashing operation, with reduced skin irritation resulting therefrom, which method comprises:

- 1) preparing an aqueous dishwashing solution from an effective amount for manual dishwashing of a liquid or gel dishwashing detergent composition comprising an effective amount of a suds boosting polymer in an amount sufficient to provide reduced skin irritation during manual dishwashing operations, said polymeric suds stabilizer comprising:
 - i) units capable of having a cationic charge at a pH of from 4 to 12; provided that said suds stabilizer has an average cationic charge density of at least 1 unit per 100 daltons molecular weight at a pH of from 4 to 12;
- 2) immersing the hands of the dishwasher in said dishwashing solution for a period of time which is effective to complete hand washing operations.